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RESEARCH AND DEVELOPMENT

MONTHLY REPORT

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DECEMBER 1981

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Key to Distribution:

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C. All except Special Projects Research and those reports which might interfere with patent considerations
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PROJECT TITLE : PROTAGORAS

PERIOD COVERED : NOVEMBER 11 - DECEMBER 23, 1981

WRITTEN BY : Bindler-G.N. (GNB)

INFLUENCE OF PH ON PROTEIN EXTRACTION

Burley strips were extracted in a 1 : 10 ratio with water solutions at different pH values.

More proteins could be extracted in acid or basic conditions than with water alone. Furthermore the extraction of protein at high pH (10 - 12) was about 15% more efficient if the tobacco had been previously extracted at a low pH.

The optimal pH for the subsequent enzyme step was determined as being between 8.5 and 9.5.

Schulthess-D.

GNB/jig/JANUARY 5, 1982

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PROJECT TITLE : NITRATE-REDUCTION BY CONTROLLED FERMENTATION

PERIOD COVERED : NOVEMBER 17 - DECEMBER 23, 1981

WRITTEN BY : Schulthess-D. (DIS)

LEAR TRIAL 13

LEAR trial 13 was run from November 26 to December 18, 1981. The 750-l fermenter was inoculated with a shaken flask culture. This was done in order to prevent any contamination produced in the 20-l inoculum fermenter. Thus, the batch lasted 19 hours (instead of 10).

The closed-loop denitration was run for 10 days before any contamination was noted. The same time as contamination was detected in the fermenter, contamination was also noticed in the extract entering the fermenter. The contamination could be almost eliminated by a two-day run at D = 0.3 hr^{-1} and at pH 4 in the open system (without extract recycling).

STERILITY TEST OF THE 750-l FERMENTER

A sterility test was carried out in the 750-l fermenter. After 36 hours at 37°C a considerable infection was noticed. The sterility test will be repeated after extensive revision of the fermenter by Chemap personnel.

Schulthess

DIS/jig/JANUARY 5, 1982

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PROJECT TITLE : CIGARETTE DEVELOPMENT 5

PERIOD COVERED : NOVEMBER 27 - DECEMBER 18, 1981

WRITTEN BY : Du Bois-J.-H. (JHD)

E U C

Objective

- To establish a detailed study of our 1980 activities concerning "Marketing / Operations" and R & D projects.
- To study a system of planification which would enable each person concerned to know which things have to be done and when.

Results

- Our network has been succesfully introduced with APL's existing CPM program, however, the output information is much too limited for our purposes and the program does not have the flexibility which is necessary.
- The network has been discussed with a systems engineer from IBM and this company's PROJACS package will certainly meet our requirements as it answers the basic demands of flexibility, of paralleling the projects and of simulation.
- The problem has also been studied in relation to EDP's raw materials and specifications' program. The conclusion is that this specific application is not suited to our requirements because it has been studied with a different objective in view.

Follow-up

After a visit of different people using the PROJACS package, this package will be hired by EDP and tested with our networks, if we get top magagement's approval.

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383 HELIUM

Objective

To produce a 100-mm cigarette with a total weight of less than 850 mg/cig.

Results

The objective was achieved with prototype 3 P.
This prototype has a total weight of 824 mg, a compressibility of 3.59 mm, a puff count of 6.3 and a DPM of 9.3 mg.
The blend has 60 % of Burley ETNA in a MLF blend and the other specifications are the same as those of the MLH cigarette.

Follow-up

The puff count could be increased by using a slow burning rate cigarette paper.
We will try to perform a total expansion of a MLF blend.
Should this not succeed, a MLF blend will be produced by substituting the different types of tobaccos by the ETNA counterparts (FC and Burley).

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386 COCONUT

Objective

DPM : 14 mg/cig.
CO : lower than 10 mg/cig.
The other characteristics remaining, if possible, the same as those of MLF.

Results

Three prototypes (23 P, 24 P and 25 P) were produced giving respectively the following results for DPM : 13.7 mg/cig., 11.5 mg/cig., 11.0 mg/cig. and for CO : 11.2 mg/cig., 9.3 mg/cig., 7.8 mg/cig.
The efficiency of this filter is 40 % which is still a little too high for bringing the CO down to 10 mg and the DPM to 14 mg.

Follow-up

Fast burning cigarette papers will be tested with the aim of decreasing the puff count and Filtrona has been asked to produce higher RTD segments on the COSTAR 2 filters.

J.H. DuBois

JHD/cap/DECEMBER 18, 1981

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PROJECT TITLE : MATERIAL TESTING

PERIOD COVERED : OCTOBER 22 - DECEMBER 31 1981

WRITTEN BY : Balliger-P (PBA)

POROUS PLUG WRAP

Dexter Z 5694 40 K 21 g/m^2

Z 5704 40 K 28 g/m^2

In order to widen our range of suppliers of porous plug wrap for Marlboro cigarettes, Dexter was asked to provide us with some new paper qualities.

After examining the two above-mentioned papers it was found that there was a difference between their porosities and the objective. In addition, the papers contained many impurities (fibrous concentrations). Consequently, no further tests will be performed on these qualities.

CIGARETTE PAPER

Brodano ORA 0958 MP/2
Miquel y Costas 1024 M 25

In order to have a greater choice of suppliers of the cigarette paper used for the diluted Muratti family, Brodano and Miquel y Costas sent us some prototypes which were similar to the standard quality from Schoeller + Hoesch called Pela No. 54 Mn.

Following the first tests, it was found that the Brodano paper ORA 0958 could not be taken into consideration as the wire-marks were not prominent enough.

However, the quality 1024 M 25 supplied by Miquel y Costas was satisfactory. MAA-CH cigarettes will soon be made with this paper and evaluated.

Schoeller + Hoesch Pela 200/03 Velin 26.5 g/m^2

Schoeller + Hoesch Pela 200/06 Velin 28.0 g/m^2

Concerning our aim of increasing the number of puffs of Brunette No.3 cigarettes, Schoeller + Hoesch provided us with two new qualities, and they will be compared with the standard quality, Pela 200/09.

The modifications brought about on these 2 papers (higher weight, fewer additives) should enable us to increase the number of puffs while at the same time retaining the Brunette No. 3 taste.

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FILTRATION MATERIAL

In order to replace the half-finished filter called Dico 200 Top G, currently used in Flint Ultra and PM Ultra Light cigarettes, Baumgartner supplied us with 2 alternatives which are more modern:

CAF 225	RTD 330 mmCE
CAF 250	RTD 330 mmCE

These filters are produced by a new technological method (cold crimping) which considerably reduces the variations in resistance. Trials are under way.

PDA/edk/JANUARY 7 1981

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PROJECT TITLE : CIGARETTE AND SMOKE ANALYSIS

PERIOD COVERED : NOVEMBER 24 - DECEMBER 23 1981

WRITTEN BY : Senehi-F (SEF)

COMPARATIVE RESULTS OF THE OFFICIAL CANTONAL LABORATORY OF ZURICH (DR. ROMANN) AND QA PME

A list has been established showing the tar, smoke nicotine (SN), carbon monoxide (CO) and nitrogen monoxide (NO) content of all FTR brands analysed by Dr. Romann, compared with the results obtained by QA PME (1).

On average, the tar results obtained by Dr. Romann are lower than those obtained by QA PME (see table 1).

Since 1980 we have noticed a gradual decrease in the smoke nicotine deviation.

	Deviation in %			
	October 81	May 81	October 80	March 80
Tar (mg/cig)	- 8.1	- 10.2	- 9.6	- 11.5
SN (mg/cig)	0	- 3.5	- 6.7	- 8.3

Compared with the printed values, all the tar and smoke nicotine results obtained by Dr. Romann are within the tolerance limits with exception of the following brand:

	Printed value smoke nicotine	Limit value smoke nicotine	Dr. Romann smoke nicotine
Philip Morris KS NF	1.5	1.73	1.97

It is planned to carry out at the beginning of 1982 a second sampling of this brand for Dr. Romann.

SMOKE DELIVERIES OF THE NEW MONITOR M 22

This cigarette is specially produced by PM Richmond to be used when calibrating the smoking machines.

Based on the first results, the differences in DPM and SN obtained by PM Richmond and QA PME between the Monitor M 22 and M 20 are comparable (2).

	Monitor M 22		Monitor M 20	
	PMR	QAPME	PMR	QAPME
DPM (mg/cig)	17.4	18.8	16.8	18.2
SN (mg/cig)	1.03	1.14	1.04	1.15
Puff Count	8.5	8.3	8.2	8.0

DPM values obtained by PM Richmond were lower than the QA PME ones mainly because there was greater ventilation around the cigarette.

0001438 70

Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

COMPARATIVE RESULTS BETWEEN TOBACOFINA BELGIUM AND QA PME

The following table shows the tar and SN results obtained by Tobacofina, compared with those obtained by QA PME on the same samples (3).

	TAR (mg/cig)		SMOKE NICOTINE (mg/cig)	
Brand	Tabacofina	QA PME	Tobacofina	QA PME
Belga	18.0	17.9	1.47	1.47
Merit	8.0	7.7	0.52	0.52
Monitor M 20	17.1	17.0	1.12	1.14

The smoking machines used by the two laboratories were:

For Tobacofina : Borgwaldt RM 20 CS with central Cambridge filter trap of 92 mm diameter

For QA PME : Filtrona 300, 20 channels, with Cambridge filter trap of 44 mm diameter

It may be seen that the DPM and SN results obtained by Tobacofina are comparable to those obtained by QA PME.

NEW TEST RESULTS PUBLISHED BY DR. HERZFELD ON SWISS BRANDS

Dr. Herzfeld has just published some new test results on 47 Swiss brands which were either some of the most important ones or had been recently launched (4).

Four parameters were analysed:

Condensate (TAR) (mg/cig)
Smoke nicotine (mg/cig)
Carbon monoxide (mg/cig)
Nitrogen monoxide (µg/cig)

Based on a procedure which has already been used in previous years, Dr. Herzfeld combined these different values and balanced them, i.e. he gave each of them a certain degree of importance. In this way, the strength of the cigarettes was classified by means of points.

In comparison with the values obtained by QA PME (CIR), Dr. Herzfeld found on average (see table 2) :

Condensate : - 5.2 %
Smoke nicotine : - 5.2 %
Carbon monoxide : - 6.1 %
Nitrogen monoxide : + 3.9 %

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PRODUCT REPORTS

Product reports were written on the following new or modified brands:

Brand	Manufacturer	Country of sale
Cortina Super KS 94/F (new brand)	BAT	West Germany
Laurens Extra 84/F (new brand)	Laurens	West Germany
Peer de Luxe 94/F (line extension)	Brinkmann	West Germany
Sobranie 94/F (new brand)	Gallaher	United Kingdom

REFERENCES

1 Letter from Senehi-F (December 21 1981)

2 Letter from Senehi-F (December 22 1981)

3 Letter from Senehi-F (December 14 1981)

4 Letter from Senehi-F (December 4 1981)

Senehi

SEF/edk/JANUARY 5 1981

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COMPARATIVE RESULTS OF THE OFFICIAL CANTONAL LABORATORY OF ZURICH (DR. ROMANN) AND QA PME

BRANDS	TAR (MG/CIG)			NICOTINE (MG/CIG)			CO (MG/CIG)		HCN (MG/CIG)	
	ROMANN	QA PME	PRINTED VALUES	ROMANN	QA PME	PRINTED VALUES	ROMANN	QA PME	ROMANN	QA PME
ARLETTE	11.7	13.0	14	0.56	0.73	0.8	15.8	16.7	0.31	0.35
BASTOS	14.3	16.4	17	0.70	0.92	1.1	14.6	15.8	0.35	0.37
BRIQUETTE No. 3	2.0	2.4	3	0.22	0.20	0.3	3.2	3.1	0.05	0.06
BRIQUETTE CARREE / PLATE	17.4/17.2	19.3	21	0.92/0.93	1.11	1.3	13.3/13.8	16.1	0.26/0.25	0.33
BRIQUETTE DOUCE	13.3	13.4	14	0.72	0.74	1.0	15.0	14.9	0.29	0.27
BRIQUETTE EXTRA DOU / BOX	4.8/4.8	5.4	6	0.39/0.32	0.37	0.5	8.2/7.9	8.5	0.13/0.15	0.16
BRIQUETTE FILTRE	13.9	14.1	16	0.88	0.81	1.1	14.0	15.9	0.25	0.32
CHAMPION	12.2	12.4	15	1.15	1.00	1.4	13.3	13.8	0.10	0.10
DIANA KING SIZE	14.0	15.9	15	1.01	1.04	1.0	15.9	17.2	0.17	0.20
ELITE SOFT	6.0	7.1	7	0.44	0.53	0.6	8.6	10.2	0.11	0.13
ELITE No 3	2.7	2.9	3	0.23	0.23	0.3	2.7	3.3	0.04	0.07
ELITE ULTRA	0.5	1.2	1	0.08	0.12	0.1	2.4	3.1	0.06	0.06
FARLEIGH BOX	15.2	16.5	16	1.21	1.18	1.2	15.0	16.2	0.21	0.24
FARLEIGH GOLD	8.3	9.0	9	0.68	0.67	0.8	9.1	11.0	0.16	0.18
FARLEIGH KING SIZE	15.1	16.5	16	1.26	1.20	1.2	15.0	16.4	0.19	0.25
FARLEIGH 100'S PAD BOX	15.9	16.7	17	1.35	1.28	1.2	15.4	15.2	0.23	0.24
FILTERS KING SIZE	14.8	15.5	16	1.08	1.01	1.1	16.7	17.6	0.16	0.17
FILTA	14.7	16.5	16	0.85	0.87	0.8	12.7	15.6	0.09	0.09
FS KING SIZE	15.6	17.1	18	1.21	1.28	1.2	16.5	17.0	0.33	0.35
MULTIFILTER 100's	10.2	10.8	11	0.82	0.82	0.9	10.9	11.4	0.13	0.14
MULTIFILTER KING SIZE	9.1	10.6	10	0.70	0.76	0.8	11.0	13.6	0.12	0.14
MURATTI AMBASSADOR BOX	9.2	10.3	10	0.74	0.72	0.8	11.1	11.8	0.13	0.14
MURATTI AMBASSADOR EXTRA	4.0	4.6	5	0.38	0.35	0.4	8.4	8.7	0.09	0.11
MURATTI AMBASSADOR KING SIZE	9.6	10.3	10	0.78	0.71	0.8	10.9	13.0	0.12	0.15
MURATTI 2000	6.1	6.9	7	0.55	0.51	0.6	9.1	9.8	0.11	0.12
MURATTI 2000 EXTRA LONGS BOX	6.6	7.7	9	0.55	0.60	0.8	9.1	11.0	0.11	0.13
NORTH POLE	12.1	13.3	13	0.89	0.93	0.9	13.9	14.7	0.16	0.17
PHILIP MORRIS INTERNATIONAL	15.7	16.4	17	1.12	1.04	1.1	16.8	17.8	0.21	0.25
PHILIP MORRIS KING SIZE II	23.8	23.8	23	1.97	1.66	1.5	13.0	14.3	0.19	0.18
REGENT	14.3	15.5	15	1.03	1.04	1.0	16.8	16.7	0.19	0.20
GENERAL AVERAGE	11.10	12.00	12.3	0.82	0.82	0.87	12.0	13.0	0.17	0.19

Table 1

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Table of Harmful Substances of 47 Swiss Cigarette Brands

Table 2

1984

Rang	Filterzigaretten	HZD-Index	Kondensat mg/Zigarette		Nikotin mg/Zigarette		CO mg/Zigarette		NO µg/Zigarette	
			HZD	CIR	HZD	CIR	HZD	CIR	HZD	CIR
1	Mary Long No. 1	2	0.4	0.3	0.03	0.07	0.6	3.3	13	10
2	Select extra-legere	7	1.0	1.2	0.09	0.10	1.8	2.9	37	30
3	Flint ultra	11	1.3	1.1	0.09	0.12	3.1	3.2	61	60
4	Select No. 3	12	1.9	1.8	0.20	0.24	2.4	2.8	53	60
5	Brunette No. 3	14	2.6	2.4	0.21	0.22	3.0	3.2	61	50
6	Flint 3	15	3.1	2.8	0.24	0.22	3.0	3.1	65	70
7	Reemtsma No. 1	17	2.2	2.1	0.12	0.14	4.1	4.9	129	130
8	Kent Special	18	3.4	4.8	0.27	0.49	4.0	4.8	70	80
9	Peter Stuyvesant extra mild	23	5.1		0.43		4.9		60	
10	Gallant Trend	24	3.9	4.0	0.37	0.38	6.4	7.3	99	100
11	Select No. 2	27	4.1	4.3	0.33	0.40	6.9	7.3	133	120
12	Select mild Aroma	27	4.2	4.6	0.37	0.39	7.2	8.5	115	100
13	Disque d'Or extra	28	3.3	4.3	0.36	0.40	6.0	7.7	184	170
14	Stella mild	28	4.8		0.37		6.2		145	
15	Maroeaine mild	29	4.8	5.1	0.38	0.45	6.9	7.8	150	140
16	Muratti Ambassador extra	30	4.8	4.6	0.37	0.36	8.8	9.6	116	140
17	Reemtsma R6	33	6.3	6.9	0.40	0.45	8.3	9.0	109	120
18	Brunette extra	34	5.6	5.4	0.37	0.38	9.2	8.6	173	160
19	Maroeaine Extra	35	7.3	8.0	0.50	0.55	7.8	9.4	148	150
20	Flint	35	6.7	7.1	0.46	0.53	9.4	10.2	136	130
21	Mary Long extra	35	5.9	5.9	0.48	0.47	9.3	9.7	153	150
22	Benson & Hedges Luxury mild	36	7.4		0.74		8.9		54	
23	Gallant	36	6.9	5.1	0.70	0.55	7.5	5.0	123	90
24	Select	36	6.2	6.4	0.54	0.58	8.7	9.0	160	160
25	Parisienne Spécial Filtre	37	6.8	6.8	0.65	0.60	8.2	8.6	131	110
26	Muratti 2000	37	6.7	6.9	0.49	0.51	10.1	9.8	139	120
27	Mary Long Doppel-Filter	39	7.9	8.7	0.59	0.65	8.9	9.4	160	140
28	Parisienne Mild	45	8.9	9.2	0.81	0.78	10.3	10.1	148	160
29	Disque Bleu	49	6.6		0.40		11.7		362	
30	Muratti Ambassador	52	10.9	10.5	0.84	0.73	12.5	12.4	156	140
31	Mary Long	54	11.5	12.0	0.93	0.93	10.2	10.5	216	210
32	Maroeaine Super	54	11.0	12.3	0.87	0.97	10.8	13.7	231	220
33	North Pole	56	12.0	13.5	0.82	0.92	13.6	14.6	197	170
34	Parisienne Super	56	12.7	14.1	0.85	0.97	12.7	13.6	200	180
35	Camel mild	57	10.5	10.3	1.00	1.02	11.1	10.1	245	220
36	Brunette Doppel-Filter	59	11.9	13.2	0.67	0.74	14.1	14.7	281	260
37	Parisienne Filtre	60	13.2		0.85		13.0		245	
38	HB Crowather	61	13.6		0.95		12.3		259	
39	Peter Stuyvesant	62	14.5		1.08		16.5		90	
40	Stella Filtra	64	13.2		0.82		13.7		312	
41	Ernie 25	64	14.6		0.92		17.6		150	
42	Gauloises (gelb)	64	10.3	11.4	0.70	0.86	15.0	16.2	384	410
43	Cigares Blunt Filtre (blau)	67	9.8		0.60		14.7		453	
44	Dunhill International	67	14.8	17.0	1.28	1.40	17.5	18.5	88	77
45	Camel	67	14.4	14.2	1.08	1.04	14.9	13.9	240	230
46	Gauloises (blau)	68	9.5	11.2	0.62	0.81	14.6	16.2	505	550
47	Marlboro	70	15.3	16.3	1.13	1.17	15.6	15.9	244	230
		$\bar{X}$ =	7.06	7.45	0.55	0.58	8.77	9.34	159	153

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

PROJECT TITLE : QA ANALYTICAL SERVICES

PERIOD COVERED : NOVEMBER 25 - DECEMBER 21 1981

WRITTEN BY : Widmer-A (ALW)

3.2.1. TRIALS WITH TOBACCO INGREDIENTS

- Cocoa Powder (Producer and supplier: VAN HOUTEN)

An industrial trial (MPH-IT) was carried out by PMG Munich in order to qualify a second producer.
Smoke analyses: No significant difference between the standard and the trial was found.
Subjective evaluation (Panel A): A significant difference between the standard and the trial was found. The trial was rejected.
As it was the second time that this product was considered as being negative, no further trials are planned (1).

- Ethanol

Since the beginning of this year, private enterprises have been allowed to sell ethanol in Germany. Therefore synthetic ethanol is available from different manufacturers. The use of synthetic ethanol and also methyl ethyl ketone as a denaturation agent are not prohibited by German legislation(2).

Differences were found between the first sample submitted by PMG-Berlin (Producer: NEULING, Berlin) and a sample from the MONOPOL (3) as regards water and ethanol contents.

3.5.1. TRIALS WITH FILTER GLUES

- Liquid glue for KDF II (filter rod seam)

The following trials were run after the modifications on the heating blocks had been made (4).

- "LESSO 1793-D2" (LAESSER AG, Erlinsbach/yellow sheet 6182, 100 kg) (4)
Long-term test and check of a normal production (MLF-CH).
Machineability: The good results of the last trial were confirmed. However, further slight modifications on the heating block will be made in order to optimize the system.
Subjective evaluation (Panel B): No significant difference was found between the standard and the trial.
The glue will be introduced into the USAGE OF MATERIALS' file.

Concluded on 08/12/81

- "LUNABOND 551 W2" and "LUNABOND 32 W 132"
(FULLER GmbH, Lüneburg/yellow sheet 6136, 2 x 5 kg)
Machineability: Both types gave glueing problems on the machine.
For the moment, no further trials are planned.

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

- Hot Melt for KDF II, "Q 2237-21" (Producer and supplier: HENKEL)
  The trial was run by PMG-Munich on PMS-FR, in order to qualify another local supplier.
  The glueing properties when tested on the machine were satisfactory.
  Smoke analyses: No significant difference was observed between the standard and the trial.
  Subjective evaluation (Panel A): A significant difference was found between the standard and the trial. The trial was rejected.

  In the "comments" section of the subjective evaluation report, it was pointed out that the difference in taste was probably not due to the quality of the glue. Therefore the trial will be repeated (5).

3.8.1. TRIALS WITH PACKING GLUES

- Trials in connection with the speed up of a MOLINS HL packing machine in Cousset (4)
  - "ELOTEX" 803-104-1" (EBNÖTHER AG, Sempach/yellow sheet 6191, 10 kg)
    The trial was run at 225 HLP/min. The glueing properties on the machine were satisfactory. The tendency to form a film and layer of foam was very slight compared with preceding trials.
    The trial will be repeated when the MOLINS HLP is functional at 250 packs/min.

3.14.2. QUALITY CONTROL OF ETNA

- First production of the new blend ETNA-FC-LIGHT (6)
  The results of the process control were remarkably regular.
  The most important analytical values are the following:
  - Cylinder volume (process control) corrected (cc/10g) : 67.5 (s:2.1)
  - Cylinder volume (after ten days) corrected (cc/10g) : 68.1 (s:1.8)
  - Moisture-content (O.V.) (%) : 10.0
  - Total alcaloids (% d.w.) : 2.69
  - Reducing sugars (% d.w.) : 11.6
  - $N\text{-}NO_3$ (% d.w.) : 0
  - $N\text{-}NH_3$ (% d.w.) : 0.08
  - Propylene glycol (% d.w.) : 0.55
  - Glycerine (% d.w.) : 1.50

  The losses of T.A., R.S. and humectants during expansion are comparable to those of a normal ETNA-FC production.

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

5.3. ASSISTANCE TO OTHER AFFILIATES

- Analyses for the ETNA-plant in PMH Bergen op Zoom:
  Humectants in tobacco (18 samples)
- Analyses for the ETNA-plant in PMG-Munich:
  Humectants in tobacco (4 samples)

5.4. SERVICES FOR OTHER GROUPS

- Analyses for foil mentholating
  Menthol on foil (4 samples)
- Analyses for process development
  SiO_2, HWS, Humectants, K, Mg and Ca, ash-content,
  Chlorides in tobacco (2 samples)
- Analyses for product development
  Triacetin in filters (20 samples)
  Humectants, sugars by HPLC and ash-content in tobacco
  (7 samples)

REFERENCES

1 Letter from Widmer-A to Lutzig-B.W. (December 14 1981)
2 Letter from Fink-W to Widmer-A (September 16 1981)
3 Letter from Widmer-A to Tessendorf-W (December 14 1981)
4 Monthly report Widmer-A (November 1981)
5 Letter from Widmer-A to Lutzig-B.W. (December 14 1981)
6 Letter from Widmer-A to Boeckle-H (December 14 1981)

ALW/edk/JANUARY 5 1981

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

PROJECT TITLE : PROCESS ASSURANCE

PERIOD COVERED : OCTOBER 1 - DECEMBER 18, 1981

WRITTEN BY : Bel-T. (THB)

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1. Quality Workshop (1 - 2 - 3)

The monthly report supplements, covering the months of August, September and October have been sent to PME management and to the QC departments.

2. Quality Control Audit

The last interviews with the QC managers have been conducted in Bergen op Zoom, Berlin and Munich.
We are now working on the establishment of the final report.

T. B.

REFERENCES : 1. Quality Workshop, monthly report supplement (October 1981)

2. Quality Workshop, monthly report supplement (November 1981)

3. Quality Workshop, monthly report supplement (December 1981)

THB/cap/DECEMBER 18, 1981

00014387B

Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

PROJECT TITLE	:	COMPUTER AND INSTRUMENTATION SUPPORT GROUP
PERIOD COVERED	:	23 NOVEMBER - 22 DECEMBER 1981
WRITTEN BY	:	Thévoz-M. (MIT)

Automation of the Smoking Laboratory

At present, the group is collecting the specifications of the different users in order to be in a better position to define the priority list for the 1982-1983 programmation work.

A temporary data base has been set up on the HP 1000 F. It contains about 255 analysis criteria divided up into 12 transaction detail files and corresponds to the current needs of the smoking laboratory. In order to carry out certain simulation work, we have analysed the capacity of this base to be sure that it is able to contain the analytical results of more than 10'000 brands or tests.

In the coming months, we shall test the different possible accesses to this data base and evaluate certain calculation or report-editing programmes. To make this simulation more objective, we have entered, by keyboard, the data of some 8000 results obtained from an analysis of 60 different brands. The data base currently in use enables access via more than 12 different keys which can quickly locate the required information.

The calculations that we have been able to make with this particular data base show that we may easily stock the analytical results of 6 months' routine work. It should be noted that in this routine work, 1'500 brands are analysed per month. Even with all these analyses stocked, 20% of the capacity remains for other users.

RTD/DIL Measurements on a Production Scale

After performing numerous adaptations on a SODIM measuring instrument which had several wiring defects, we have managed to make a reliable direct link-up with the HP 85. This link-up is time-saving and offers the possibility of checking during measuring each batch against the brand specifications.

The programme for the monthly data processing and month to month graphic comparisons is at present undergoing important changes.

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

Construction of Compressibility Instruments (FTR model)

We have been informed that there will be a considerable delay in the delivery of the mechanical part of these instruments which are to be supplied by an outside subcontractor. The delivery of the instruments, which was foreseen for the end of December 1981, has been postponed for 1 month.

MIT/jud/DECEMBER 22, 1981

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

PROJECT TITLE : DOCUMENTATION AND LIBRARY
PERIOD COVERED : NOVEMBER - DECEMBER 1981
WRITTEN BY : Keagy-K-B. (KBK)

At the end of last year, a project was started to classify, and put onto Stairs, FTR's collection of documents concerning legislation in the tobacco industry. The information dates as far back as 1975.

The purpose of the task is to establish a clear overview of this information.

A second project inherent in the principal one is filing in Stairs, by country, all substances allowed and forbidden by law in cigarette production.

At present, the material available on Finland, Ireland, and Sweden has been analyzed and input. In the near future, a substantial part of the rest of the collection will have been analyzed and will be available for consultation on Stairs.

KBK/kbk/JANUARY 11 1982

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

PROJECT TITLE : PATENTS

PERIOD COVERED : OCTOBER 17 - DECEMBER 16, 1981

WRITTEN BY : Mandiratta-J-C. (MJA)

NEW PATENT ISSUED

The under-mentioned patent was issued recently :

Luxemburg 82199 Continuous Process of Denitration of Tobacco

PROJECT EXIT

It has been confirmed by the Swiss Patent Office that Brown & Williamson has filed a patent application, No 2656-80, on April 3, 1980, on the basis of the United States priority No 29230. In spite of the fact that there is no examination procedure in the Swiss Patent Office, it was decided by the PME Patent Committee to submit an opposition letter in line with those already submitted to the West German, Swedish, Netherlands and French Patent Offices.

PME PATENT COMMITTEE

This year's last PME Patent Committee Meeting was held on December 3, 1981 (see Minutes, dated 8.12.1981).

VISIT

Dr. Hach visited us on December 7, 1981.

PATENT DOCUMENTATION

All documents remaining pendant have been put on our STAIRS system for patent documentation.

MJA/mle/December 21, 1981

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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000

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T S OSBENE
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Source: https://www.industrydocuments.ucsf.edu/docs/pgxk0000